

Name: \_\_\_\_\_

**at1110paper\_\_practice\_\_test (v36)**

1. Solve the equation with factoring by grouping.

$$15x^2 - 6x - 20x + 8 = 0$$

2. Factor the expression.

$$x^2 - x - 6$$

3. Solve the equation.

$$10x^2 + 70x + 16 = 3x^2 + 5x - 2$$

4. Expand the following expression into standard form.

$$(5x + 4)(5x - 4)$$

5. Expand the following expression into standard form.

$$(6x - 7)(4x + 5)$$

6. Expand the following expression into standard form.

$$(8x - 3)^2$$

7. Factor the expression.

$$49x^2 - 16$$

8. Solve the equation.

$$(9x - 5)(6x + 7) = 0$$